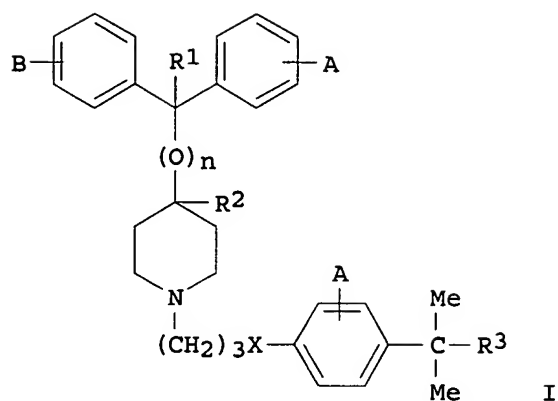


```
=> s streptomyces(l)stemphylium
      34982 STREPTOMYCES
      535 STEMPHYLIUM
L2      5 STREPTOMYCES (L) STEMPHYLIUM
```

```
=> d bib abs 1-5
```

```
L2  ANSWER 1 OF 5  CAPLUS  COPYRIGHT 2006 ACS on STN
AN  2002:505445  CAPLUS
DN  137:78004
TI  Process for the production of piperidinyhydroxybutylphenyldimethylacetate
    s via microbial oxidation.
IN  Michels, Peter C.; Zirbes, Eric L.
PA  USA
SO  U.S. Pat. Appl. Publ., 17 pp., Cont.-in-part of U.S. Ser. No. 708,959.
    CODEN: USXXCO
DT  Patent
LA  English
FAN.CNT 1
```

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2002087003	A1	20020704	US 2001-754786	20010104
	US 6613907	B2	20030902		
	CA 2427387	AA	20021024	CA 2001-2427387	20011106
	WO 2002083062	A2	20021024	WO 2001-US43714	20011106
	WO 2002083062	A3	20030103		
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	EP 1339864	A2	20030903	EP 2001-273746	20011106
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
	JP 2004522454	T2	20040729	JP 2002-580867	20011106
	BR 2001015191	A	20041214	BR 2001-15191	20011106
	NZ 526040	A	20051028	NZ 2001-526040	20011106
	NO 2003001974	A	20030613	NO 2003-1974	20030430
	US 2005038254	A1	20050217	US 2003-638841	20030811
PRAI	US 2000-708959	A2	20001108		
	US 2001-754786	A	20010104		
	WO 2001-US43714	W	20011106		
OS	CASREACT 137:78004; MARPAT 137:78004				
GI					



AB Title compds. [I; n = 0, 1; R1 = H, OH; R2 = H; or, when n = 0, R1R2 = bond; provided that when n = 1, R1 and R2 both = H; R3 = CO2H, CO2R4; R4 = alkyl, aryl; A, B, D = H, halo, alkyl, OH, alkoxy; X = CO, CH(OH)], were prepared by incubating I (R3 = Me; other variables as above) with a microorganism of a genus selected from *Streptomyces*, *Stemphylium*, *Gliocladium*, *Bacillus*, *Botrytis*, *Cyathus*, *Rhizopus*, *Pycnidiospora*, *Pseudomonas*, *Helicostylum*, *Aspergillus*, *Mucor*, *Gelasinospora*, *Rhodotorula*, *Candida*, *Mycobacterium*, or *Penicillium*. Alternatively, the microorganism can be *Cunninghamella bainieri*. Thus, terfenadine was incubated with *Streptomyces rimosus* NRRL-2234 in a soybean flour medium at 29° to give a product containing 76% terfenadine acid metabolite.

L2 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1976:178218 CAPLUS

DN 84:178218

TI Microbial production of orobole

IN Umezawa, Hamao; Takeuchi, Tomio; Hamada, Masa

PA Microbiochemical Research Foundation, Japan

SO Jpn. Kokai Tokkyo Koho, 15 pp.

CODEN: JKXXAF

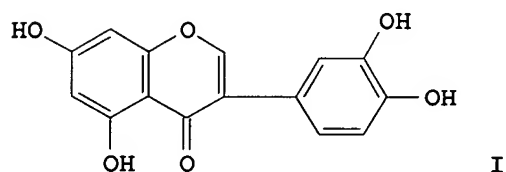
DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 50160482	A2	19751225	JP 1974-69118	19740619
PRAI	JP 1974-69118	A	19740619		

GI



AB Orobale (I) [480-23-9] was produced by an aerobic culture of a I-producing microbe, especially by *Stemphylium*, *Streptomyces*, or *Aspergillus*. Thus, *Stemphylium* sp. 664 (FERM-P 2013) was cultured with shaking at 27° for 6 days on a medium containing potato starch 2, glucose 1, soybean meal 3, KH2PO4 0.5, and MgSO4.7H2O 0.25%; pH

of the broth was 6.0, 5.5, and 5.3 at initial and after 2 and 3 days of cultivation. The culture filtrate (9 l.) was extracted twice with 4.5 l. BuOH at pH 2.0 and the extract was concentrated to dryness under vacuum, yielding

9.3 g tar substance. It was purified by silica gel chromatog. eluting with CHCl₃-MeOH (50:1) and Sephadex LH-20 eluting with MeOH and crystallized from MeOH-C₆H₆ yielding 15.4 mg pale yellow crystals; inhibition of DOPA decarboxylase [9001-20-1] was ID₅₀ = 0.015 µg/ml. It was soluble in alkaline water, MeOH, EtOH, BuOH, Me₂CO, and dimethyl sulfoxide and insol. in C₆H₆, CHCl₃, and toluol. LD₅₀ against mice was 250 mg/kg, i.p., by injection of 25% solution in dimethyl sulfoxide.

L2 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1958:18218 CAPLUS

DN 52:18218

OREF 52:3277b-d

TI Filipin, a new antibiotic

PA University of Illinois Foundation

DT Patent

LA Unavailable

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	GB 783486		19570925	GB	
AB	Cultivation of <i>Streptomyces</i> filipinensis, isolated from soil of the Philippine Islands, yielded a new crystalline compound called filipin (I), soluble in dimethylformamide, pyridine, 95% EtOH, MeOH, BuOH, iso-PrOH, tert-BuOH, AcOH, Et ₂ O, EtOAc, and AmOAc. It contains 60.95% C, 8.90% H, and 30.15% O. It m. 195-205° and has [α] _D ²⁵ of 148.3°. Ultraviolet absorption maximum in 95% EtOH occur at 355, 338, and 322 mµ. I has a low phytotoxicity so that it is useful in the treatment of gray leaf spot in tomato plants caused by <i>Stemphylium</i> solani and is also useful in the treatment of other plant and fruit diseases caused by fungi. Also, because of its marked inhibition of <i>Trichomonas foetus</i> in concns. as low as 1.0 γ/ml., its use in the treatment of abortion in cattle is likewise indicated.				

L2 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1954:57206 CAPLUS

DN 48:57206

OREF 48:10123i

TI The antagonism of fungi and *Streptomyces* in mixed culture

AU Rehm, Hans Jurgen

CS Univ. Griefswald, Germany

SO Zentr. Bakteriolog. Parasitenk. (1954), 107(Abt. II), 418-31

DT Journal

LA Unavailable

AB The growth of *Streptomyces* produces sufficient acid to interfere with the growth of *Aspergillus niger*. *Trichothecium roseum* grows very well in combination with *Streptomyces*. Rapidly growing fungi such as *Citromyces fefferianus*, *Alternaria*, *Stemphylium* piriforme, and *Fusarium* grow rapidly at first but are inhibited later.

L2 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1954:12721 CAPLUS

DN 48:12721

OREF 48:2312i,2313a-d

TI Antimycin

IN Keitt, A. Geo. W.; Leben, Curt; Strong, Frank M.

PA Wisconsin Alumni Research Foundation

DT Patent

LA Unavailable

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
--	------------	------	------	-----------------	------

PI US 2657170 19531027 US

AB Antimycin-A (I) is obtained from a culture of a *Streptomyces* strain (NRRL-2288) in a soybean-oil meal-glucose-CaCO₃ medium by adsorption on Celite 503 at pH 2.5, elution with EtOH, concentration and extraction with Et₂O, evaporation and extraction with Skellysolve A to remove oily material, and Soxhlet extraction with petr. ether. The light-colored solid deposited in the receiving flask is dissolved in boiling Et₂O, and petr. ether is added to start precipitation. The separated crystals after repeated recrystn. from MeOH, MeOH-H₂O, isoPr₂O, or isoPr₂O-petr. ether are colorless, m. 139-40°, [α]_D²⁵ 64.8° in CHCl₃, and have spectral maximum at 245 and 347 mμ. I is a nitrogenous phenol, probably C₂₈H₄₀O₉N₂, giving pos. Millon's, FeCl₃, and Gibb's PhOH tests; neg. Molisch, ninhydrin, Erlich, fuchsin aldehyde, and 2,4-dinitrophenylhydrazine tests, and no color with cold H₂SO₄. It is freely soluble in EtOH, Me₂CO, and CHCl₃; very slightly soluble in petr. ether, C₆H₆, and CCl₄; insol. in H₂O and in 5% solns. of HCl, Na₂CO₃, and NaHCO₃. In aqueous NaOH, the crystals form a milky suspension which clears on warming, but active I cannot be recovered. EtOH solns. of I appear to be stable indefinitely at room temperature. No particular sensitivity to light or air is noted. I is weakly acidic. Prepns. of I are assayed by a plate method by using the fungus *Glomerella cingulata* [cf. Leben and Keitt, *Phytopathology* 38, 899(1948)]. Crude EtOH-extracted antimycin is a more potent antifungal agent than I against *Colletotrichum circinans* and *Stemphylium sarcinaeforme*. I inhibits growth of *Nigrospora sphaerica* at a concentration of 1:800,000,000. It is useful as a fungicide for plants.

b 411
 21mar06 14:55:51 User208650 Session D803.4
 \$4.04 0.322 DialUnits File399
 \$5.50 2 Type(s) in Format 5
 \$5.50 2 Types
 \$9.54 Estimated cost File399
 \$0.53 TELNET
 \$10.07 Estimated cost this search
 \$17.28 Estimated total session cost 2.104 DialUnits
 File 411:DIALINDEX(R)

DIALINDEX(R)
 (c) 2006 Dialog

*** DIALINDEX search results display in an abbreviated ***
 *** format unless you enter the SET DETAIL ON command. ***
 ? sf biobus
 >>> 135 is unauthorized
 >>>1 of the specified files is not available
 You have 27 files in your file list.
 (To see banners, use SHOW FILES command)
 ? s (stemphylium consortiale)

Your SELECT statement is:
 s (stemphylium consortiale)

Items	File
2	50: CAB Abstracts_1972-2006/Feb
1	285: BioBusiness(R)_1985-1998/Aug W1

2 files have one or more items; file list includes 27 files.

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 \$1.03 0.390 DialUnits File411
 \$1.03 Estimated cost File411
 \$0.26 TELNET
 \$1.29 Estimated cost this search
 \$18.57 Estimated total session cost 2.494 DialUnits

SYSTEM:OS - DIALOG OneSearch
 File 50:CAB Abstracts 1972-2006/Feb
 (c) 2006 CAB International
 File 285:BioBusiness(R) 1985-1998/Aug W1
 (c) 1998 BIOSIS

Set	Items	Description
S1	3	(STEMPHYLIUM CONSORTIALE)
S2	3	RD (unique items)

? t/5/1-3

2/5/1 (Item 1 from file: 50)
 DIALOG(R)File 50:CAB Abstracts
 (c) 2006 CAB International. All rts. reserv.

0008683315 CAB Accession Number: 20043148484
 Effect of chemical scarification on germination and state of health of
 carrot (Daucus carota L.) seeds.
 Bralewski, T. W.; Houbowicz, R.; Szopinska, D.
 Author email address: twbseed@interia.pl

Department of Seed Science and Technology, Faculty of Horticulture,
Agricultural University of Poznan, Baranowo, Szamotulska 22, 62-081
Przezmierowo, Poland.

Folia Horticulturae vol. 16 (1): p.39-45

Publication Year: 2004

ISSN: 0867-1761

Publisher: Polskie Towarzystwo Nauk Ogrodniczych (Polish Society for
Horticultural Science) Krakow, Poland

Language: English Summary Language: Polish Record Type:
Abstract

Document Type: Journal article

Carrot cv. Jawa seeds were soaked for 12 h in water for 20(deg)C or in
0.5, 1, 2 and 2.5% HCl solution to determine the effects of scarification
on the germination and infection of the seeds by plant pathogenic fungi (
Alternaria alternata, *A. dauci*, *A. radicina*, *Bipolaris sorokiniana* [
Cochliobolus sativus], *Cladosporium* spp, *Epicoccum purpurescens* [
E. nigrum], *Fusarium* spp, *Penicillium* , spp., *Phoma* spp. and *Stemphylium*
consortiale). Energy germination, germination capacity and number of
diseased seedlings decreased, whereas the number of dead seeds and healthy
ungerminated seedlings increased with increasing concentration of HCl.
Seed treatment with HCl reduced seed infection by *A. alternata*, *A. dauci*
and *Fusarium* spp.

27 ref.

DESCRIPTORS: carrots; fungal diseases; hydrochloric acid; plant diseases;
plant pathogenic fungi; plant pathogens; scarification; seed dressings;
seed germination; seed treatment; seeds

IDENTIFIERS: Hyphomycetes; *Stemphylium consortiale*

CAS REGISTRY NUMBERS: 7647-01-0

ORGANISM DESCRIPTORS: *Alternaria alternata*; *Alternaria dauci*; *Alternaria*
radicina; *Cladosporium*; *Cochliobolus sativus*; *Daucus carota*; *Epicoccum*
nigrum; fungi; *Fusarium*; *Penicillium*; *Phoma*; *Stemphylium*

BROADER TERMS: *Alternaria*; Deuteromycotina; Eumycota; fungi; *Cochliobolus*
; Dothideales; Ascomycotina; *Daucus*; Apiaceae; Apiales; dicotyledons;
angiosperms; Spermatophyta; plants; *Epicoccum*

CABICODES: Horticultural Crops, (New March 2000) (FF003); Plant
Physiology and Biochemistry (FF060); Viral, Bacterial and Fungal
Diseases of Plants, (New March 2000) (FF610); Non-food/Non-feed Plant
Products (SS200)

2/5/2 (Item 2 from file: 50)

DIALOG(R)File 50:CAB Abstracts

(c) 2006 CAB International. All rts. reserv.

0004032435 CAB Accession Number: 19730306557

Studies on the causal agent of black fungal lesions on stored tomato
fruit.

Bartz, J. A.

Gainesville, USA.

Proceedings of the Florida State Horticultural Society 1971 vol. 84
p.117-119

Publication Year: 1972

2 pl.

Language: English Record Type: Abstract

Document Type: Journal article

The lesions were caused by *Stemphylium consortiale* and *S. botryosum*, not
previously reported in Florida. Both fungi were wound invaders and they
were unable to infect healthy intact tomato fruits. In in vitro studies
both fungi were sensitive to anilazine, metiram and maneb.

6 ref.

DESCRIPTORS: Anilazine; Metiram; Maneb; tomatoes; storage disorders;
vegetables; fruit vegetables; plant pathology

IDENTIFIERS: *Stemphylium consortiale*; tomato diseases; *Stemphylium botryosum*; fruit storage
CAS REGISTRY NUMBERS: 101-05-3; 9006-42-2; 12427-38-2
ORGANISM DESCRIPTORS: *Pleospora herbarum*; Solanaceae; *Lycopersicon esculentum*; *Pleospora tarda*
GEOGRAPHIC NAMES: USA
BROADER TERMS: fungicides; pesticides; dithiocarbamate fungicides; carbamate pesticides; *Pleospora*; Dothideales; Ascomycotina; Eumycota; fungi; Solanales; dicotyledons; angiosperms; Spermatophyta; plants; *Lycopersicon*; Solanaceae; North America; America
CABICODES: Storage Problems and Pests of Food (QQ111); Crop Produce (QQ050); Pests, Pathogens and Biogenic Diseases of Plants, (Discontinued March 2000) (FF600)

2/5/3 (Item 1 from file: 285)
DIALOG(R) File 285:BioBusiness(R)
(c) 1998 BIOSIS. All rts. reserv.

00012868

MICROBIOLOGICAL TRANSFORMATION OF QUINIDINE.

Eckenrode F M

DEP. CHEM., UNIV. IOWA, IOWA CITY, IOWA 52242.

Journal of Natural Products (Lloydia) Vol.47, No.5, p.882-884, 1984.

ISSN: 0163-3864

DOCUMENT TYPE: Article

LANGUAGE: English RECORD TYPE: Citation

DESCRIPTORS: *ASPERGILLUS FUMIGATUS*; *CUNNINGHAMELLA ELEGANS*;
CUNNINGHAMELLA BLAKESLEEANA; *CUNNINGHAMELLA BAINERI*; *CUNNINGHAMELLA ECHINULATA*; *STEMPHYLIUM CONSORTIALE*; *STREPTOMYCES GRISEUS*;
ANTIARRHYTHMIC DRUG; PHARMACOKINETICS
SUBJECT CODES & NAMES: 15400 -- CARDIOVASCULAR SYSTEM; 21100 --
PHARMACOLOGY & CHEMOTHERAPY; 21300 -- NATURAL PRODUCTS; 55200 --
INDUSTRIAL MICROBIOLOGY; 60100 -- PLANT BIOCHEMISTRY

FILE SEGMENT: NONUNIQUE

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? sf biotech
>>>      135 is unauthorized
>>>1 of the specified files is not available
    You have 24 files in your file list.
    (To see banners, use SHOW FILES command)
? s (stemphylium consortiale) and oxida?
```

```
Your SELECT statement is:
s (stemphylium consortiale) and oxida?
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Items  File
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No files have one or more items; file list includes 24 files.

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? s (stemphylium consortiale) and cataly?
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Your SELECT statement is:
s (stemphylium consortiale) and cataly?
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Items  File
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No files have one or more items; file list includes 24 files.

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? s (stemphylium consortiale)
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Your SELECT statement is:
s (stemphylium consortiale)
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Items  File
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      2  399: CA SEARCH(R)_1967-2006/UD=14413
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1 file has one or more items; file list includes 24 files.

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? b 399
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$4.14 Estimated cost File411
$2.66 TELNET
$6.80 Estimated cost this search
$7.21 Estimated total session cost  1.782 DialUnits
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File 399:CA SEARCH(R) 1967-2006/UD=14413
(c) 2006 American Chemical Society
*File 399: Use is subject to the terms of your user/customer agreement.
IPCR/8 classification codes now searchable as IC=. See HELP NEWSIPCR.
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Set  Items  Description
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? s (stemphylium consortiale)
      S1      2  (STEMPHYLIUM CONSORTIALE)
? t/5/1-2
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1/5/1
DIALOG(R)File 399:CA SEARCH(R)
(c) 2006 American Chemical Society. All rts. reserv.
```

```
107234761      CA: 107(25)234761d      JOURNAL
Microbiological reductions of enantiomeric 2-oxo-1,4-cineoles
AUTHOR(S): Goswami, Animesh; Steffek, Robin Paulson; Liu, Wei Guo;
Rosazza, John P. N.; Steffens, James J.
```


LOCATION: Coll. Pharm., Univ. Iowa, Iowa City, IA, 52242, USA
JOURNAL: Enzyme Microb. Technol. DATE: 1987 VOLUME: 9 NUMBER: 9
PAGES: 521-5 CODEN: EMTED2 ISSN: 0141-0229 LANGUAGE: English
SECTION:

CA216005 Fermentation and Bioindustrial Chemistry

CA230XXX Terpenes and Terpenoids

IDENTIFIERS: microorganism redn oxocineole enantiomer specificity,
cineole oxo redn microbe hydroxycineole enantiomer

DESCRIPTORS:

Fermentation...

hydroxycineoles prodn. by, from oxocineoles

Asymmetric synthesis and induction, biochem....

of hydroxycineoles, from oxocineoles

Reduction, biochem., stereoselective...

of oxocineoles, microbial

Curvularia lunata... Mucor mucedo... Penicillium chrysogenum... Penicillium
frequentans... Rhodotorula rubra... Stemphylium consortiale... Streptomyces
griseus...

oxocineoles redn. by, stereoselectivity of

CAS REGISTRY NUMBERS:

22555-57-3P 22621-68-7P 38630-76-1P 96645-97-5P prepn. of, by microbial
redn. of oxocineole

111536-20-0 111613-34-4 redn. of, stereoselective, with microorganisms

1/5/2

DIALOG(R) File 399:CA SEARCH(R)

(c) 2006 American Chemical Society. All rts. reserv.

78025118 CA: 78(5)25118t JOURNAL

Causal agent of black fungal lesions on stored tomato fruit

AUTHOR(S): Bartz, J. A.

LOCATION: Plant Pathol. Dep., Inst. Food Agric. Sci., Gainesville, Fla.

JOURNAL: Proc. Fla. State Hort. Soc. DATE: 1972 VOLUME: 84, PAGES:

117-19 CODEN: PFSHA7 LANGUAGE: English MEETING DATE: 71

SECTION:

CA905002 Agrochemicals

IDENTIFIERS: black lesion tomato fungicide, Stemphylium Dyrene Polyram
Manzate

DESCRIPTORS:

Stemphylium botryosum... Stemphylium consortiale...

control of, on tomato in storage

Tomato...

Stemphylium botryosum and S. consortiale control on, in storage

CAS REGISTRY NUMBERS:

101-05-3 9006-42-2 12427-38-2 Stemphylium control by, on tomato in
storage

148-79-8 17804-35-2 Stemphylium control by, on tomatoes

?